M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166924

Name of work: Improvement of roads "Reserve fund for emergency works in Devarahalli ward no 15"

Name of Contractor of nature of Agency..... From..... To.....

Date of commencement of work..... 03.08.2020

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Depot Collection for filling Pot holes and Removing and Resto of Covering slabs and removing of debris in Devarahalli sub division T Devarahalli ward no 15						
	Work Code :-				EE/DD/W.O/80/2020-21	03/08/2020	
	Job Code Number :-				015-20-000004		
	Estimated Cost :-				10,00,000.00		
	Technical Sanction :-				EE/DD/TS/05/2020-21	06/05/2020	
	Administrative approval :-				EE/DD/AS/24/2020-21	06/05/2020	
	Name of Contractor :-				Sri D.V. Kumar		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Providing, laying spreading and Compacting graded stone aggregate to wet mix macadam specified including pre-mixing & spreading with water at OMC in mechanical mix plant						
	Bhuvaneshwari Nagar 1st Cross	1	3.30	1.50	0.15	0.74 Cum	
		1	1.30	1.90	0.15	0.37	
		1	0.80	1.30	0.15	0.16	
	5th Cross	1	2.00	0.90	0.15	0.27	
		1	1.50	1.10	0.15	0.25	
		1	1.10	1.10	0.15	0.18	
		1	2.80	1.50	0.15	0.63	
		1	1.80	1.10	0.15	0.30	
		1	2.00	1.40	0.15	0.42	
	KG Nagar 1st main	1	2.50	1.40	0.15	0.53	
		1	1.50	2.40	0.15	0.54	
		1	0.70	0.70	0.15	0.07	
		1	4.70	2.30	0.15	1.62	
		1	4.2	1.2	0.15	0.76	

Checked at the

E.E. (D.D.)

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166925

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	4th Cross	1	2.90	0.60	0.15	0.26 Cum	
		1	5.00	1.10	0.15	0.83	
		1	4.40	1.40	0.15	0.92	
		1	1.60	1.10	0.15	0.26	
	Ganesha saw mill Road	1	1.10	1.60	0.15	0.26	
		1	3.00	1.90	0.15	0.86	
		1	0.70	0.70	0.15	0.07	
		1	1.3	0.60	0.15	0.12	
		1	4.10	1.40	0.15	0.86	
		1	4.10	1.30	0.15	0.80	
		1	5.00	1.00	0.15	0.75	

Checked at the

E.E. (D.D.)

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Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	KK Road	1	8.90	1.20	0.15	1.60 Cum	
		1	10.10	0.65	0.15	0.98	
		1	1.30	0.90	0.15	0.18	
		1	1.70	1.00	0.15	0.26	
		1	3.90	1.50	0.15	0.88	
		1	4.90	1.50	0.15	1.10	
		1	4.50	1.30	0.15	0.88	
		1	5.20	1.20	0.15	0.94	
		1	1.20	1.80	0.15	0.32	
		1	2.30	1.20	0.15	0.41	
		1	3.50	1.50	0.15	0.74	
		1	0.70	1.40	0.15	0.15	
		1	3.60	1.90	0.15	0.65	
		1	4.50	1.40	0.15	0.95	
		1	1.90	2.20	0.15	0.63	
		1	4.10	1.30	0.15	0.80	
		1	2.90	1.50	0.15	0.65	

Checked with

Running ... AR 8/19

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166926

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Coconut Garden Road	1	1.50	0.70	0.15	0.16 Cum	
		1	1.00	1.90	0.15	0.29	
		1	0.80	0.80	0.15	0.10	
	Ranger School Road	1	3.50	0.80	0.15	0.42	
		1	3.80	0.70	0.15	0.32	
		1	1.50	1.00	0.15	0.23	
	NRupatunga Road	1	1.00	1.00	0.15	0.15	
		1	1.90	1.40	0.15	0.40	
		1	1.70	6.00	0.15	1.53	
		1	1.20	0.60	0.15	0.11	
		1	5.00	0.60	0.15	0.45	
		1	1.90	0.60	0.15	0.17	

Running ... 8/19

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	0.90	0.90	0.15	0.12 Cum	
		1	5.00	0.30	0.15	0.23 "	
		1	5.00	0.30	0.15	0.23 "	
		1	0.60	0.90	0.15	0.08 "	
		1	1.20	3.40	0.15	0.61 "	
		1	1.20	0.60	0.15	0.11 "	
	Pipeline Road	1	7.00	5.00	0.15	5.25 "	
		1	4.20	1.50	0.15	0.95 "	
		1	3.30	2.80	0.15	1.39 "	
					Total	38.24	
	@ Rate of 1900.00						72656-00
3	Cleaning the working WBM Road surface including removal of bituminous and other foreign matter with wire brushes and small Rocks removed with blows of light hammer and finally dusting with old gunny bags						
	Bhuvaneshwara Nagar 6th Cross	Sqm 1	3.50	1.50	-	4.95 Sqm	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166927

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	1.30	1.90	-	2.47 Sqm	
	5th Cross	1	0.80	1.30	-	1.04 "	
		1	2.00	0.90	-	1.80 "	
		1	1.50	1.10	-	1.65 "	
		1	1.10	1.10	-	1.21 "	
		1	2.80	1.50	-	4.20 "	
		1	1.80	1.10	-	1.98 "	
		1	2.00	1.40	-	2.80 "	
	KG Nagar 1st main	1	2.50	1.40	-	3.50 "	
		1	1.50	0.40	-	3.60 "	
		1	0.70	0.70	-	0.49 "	
		1	4.70	2.30	-	10.81 "	
		1	4.20	1.20	-	5.04 "	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ranga school Road	1	3.50	0.80	-	2.80 Sqm	
		1	3.00	0.70	-	2.10 "	
		1	1.50	1.00	-	1.50 "	
		1	1.00	1.00	-	1.00 "	
	Nkrupatty Road	1	1.90	1.40	-	2.66 "	
		1	1.70	6.00	-	10.20 "	
		1	1.20	0.60	-	0.72 "	
		1	5.00	0.60	-	3.00 "	
		1	1.9	0.60	-	1.14 "	
		1	0.90	0.90	-	0.81 "	
		1	5.00	0.30	-	1.50 "	
		1	5.00	0.30	-	1.50 "	
		1	0.60	0.90	-	0.54 "	
		1	1.20	3.40	-	4.08 "	
		1	1.20	0.60	-	0.72 "	
	Pipeline Road	1	7.00	5.00	-	35.00 "	
		1	4.00	1.50	-	6.30 "	
		1	3.30	2.80	-	9.24 "	

Checked upto

Executive Engineer

AE 12/9

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 166929

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Refer to l Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total		254.94	
	@ Rate of		18.00				4589.5
3)	Providing and applying Primer Coat with SS bitumen emulsion on Prepare surface of granular base such as WBM, WMM including cleaning of local surface and spraying Primer						
	Bhuvaneshwari Nagar 6th Cross	Sqm 1	3.30	1.50	-	4.95 Sqm	
		1	1.30	1.90	-	2.47 "	
	5th Cross	1	0.80	1.30	-	1.04 "	
		1	2.00	0.90	-	1.80 "	
		1	1.50	1.10	-	1.65 "	

Checked upto

Executive Engineer

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) Providing and applying tackcoat @ 2.5 Kg/10 sq.m. using 80/100 grade bitumen (VG10) on the prepared black topped surface with hand sprayer set. Bhimashankar Nagar 6th Cr	Sqm					
		1	3.30	1.50	-	4.95 Sqm	
		1	1.30	1.90	-	2.47	
		1	0.80	1.30	-	1.04	
		1	2.00	0.90	-	1.80	
		1	1.50	1.10	-	1.65	
		1	1.10	1.10	-	1.21	
		1	2.00	2.00	-	4.00	
		1	0.80	1.50	-	1.98	
		1	1.80	1.10	-	0.80	
		1	2.00	1.40	-		
	Kg wage 1st main	1	2.50	1.40	-	3.50	
		1	1.50	2.40	-	3.60	
		1	0.70	0.70	-	0.49	

Checked bills

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

166932

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th Cross	1	4.70	2.30	-	10.81	
		1	4.20	1.20	-	5.04	
		1	2.90	0.60	-	1.74	
		1	5.00	1.10	-	5.50	
		1	4.40	1.40	-	6.16	
		1	1.60	1.10	-	1.76	
	Ganesha Saw mill Road	1	1.10	1.10	-	1.76	
		1	3.00	1.90	-	5.70	
		1	0.70	0.70	-	0.49	
		1	1.30	0.60	-	0.78	
		1	4.10	1.40	-	5.74	
		1	4.10	1.30	-	5.33	

Checked Bills

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.00	1.00	-	5.0 = Sav	
		1	8.90	1.20	-	10.68	
		1	10.10	0.65	-	6.57	
		1	1.30	0.90	-	1.17	
		1	1.70	1.00	-	1.70	
		1	3.90	1.50	-	5.85	
		1	4.90	1.50	-	7.35	
	KK Road	1	4.50	1.30	-	5.85	
		1	5.20	1.20	-	6.24	
		1	1.20	1.40	-	0.16	
		1	0.30	1.20	-	0.76	
	Checked & de	1	3.50	1.50	-	5.85	
		1	0.70	1.40	-	0.98	
		1	3.60	1.20	-	4.32	
		1	4.50	1.40	-	6.32	
		1	1.90	2.20	-	4.18	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 166933

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	4.10	1.30	-	5.33 Sav	
		1	2.90	1.50	-	4.35	
	Cocunt Garden Road	1	1.50	0.70	-	1.05	
		1	1.00	1.90	-	1.90	
		1	0.80	0.80	-	0.64	
	Range school Road	1	3.50	0.80	-	2.80	
	Checked with	1	3.00	0.70	-	2.10	
		1	1.50	1.00	-	1.50	
	Narayana Road	1	1.00	1.00	-	1.00	
		1	1.90	1.40	-	2.66	
		1	1.70	6.00	-	10.20	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	KG Nagar 1st new	1	2.50	1.40	0.04	0.14 Cum	
		1	3.50	2.40	0.04	0.14	
		1	0.70	0.70	0.04	0.02	
		1	4.70	2.30	0.04	0.43	
		1	4.20	1.20	0.04	0.20	
	4th Cross	1	2.90	0.60	0.04	0.07	
		1	5.00	1.10	0.04	0.22	
		1	4.40	1.40	0.04	0.25	
		1	1.60	1.10	0.04	0.07	
		1	1.10	1.60	0.04	0.07	
	Ganesha Gowda Road	1	3.00	1.90	0.04	0.23	
		1	0.70	0.70	0.04	0.02	
	Checked with	1	1.36	0.60	0.04	0.03	
		1	4.10	1.40	0.04	0.23	
		1	4.10	1.30	0.04	0.21	
		1	5.00	1.00	0.04	0.20	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

166935

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	8.90	1.20	0.04	0.43 Cum	
		1	10.10	0.65	0.04	0.26	
		1	1.30	0.90	0.04	0.05	
		1	1.70	1.00	0.04	0.07	
		1	3.90	1.50	0.04	0.23	
	KK Road	1	4.90	1.50	0.04	0.29	
		1	4.50	1.30	0.04	0.23	
	Checked with	1	5.20	1.90	0.04	0.25	
		1	1.20	1.80	0.04	0.09	
		1	0.30	1.90	0.04	0.11	
		1	3.50	1.50	0.04	0.21	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Limited to	7.16 Cum x 2200 Kg/Cum					
		= 15752.00 Kgs					
	50 Per Bag	= 315.00 Bags					
	@ the Rate of 333.00/-						104895.00/-
	6) Supply of the labour Heavy Mazdoor to the required Place as per the directions of the engineer in charge. (For Pot Hole) From 04/08/2020 - 29/10/2020 Excluding Holidays.						
	24 days x 2 months x 8 mazdoors	=	384				
	(For Alt charges)						
	15 days x 5 mazdoors	=	75				
		Total	459.00				
	@ Rate of 450.00/-						206550.00/-

29/10/20

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahanagara Palike
Dasarahalli Division, Bengaluru-57

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 166937

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7) Tractor 50 HP on hire basis including tractor driver with helper & Equipment to work on the emergency as per the direction of engineer in charge						
	24 days x 2 months	=				48	
		Total				48.00	29/10/20
	@ the Rate of 2200.00/-						105600.00/-
	8) Removal of Debris manually by manual means in ordinary soil including all lifts and all depths upto 0.5m measured separately levelled and dressed						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Om Colony	Sqm 1	300.00	0.90	-	270.00 Sqm	
	Govt School Road	1	120.00	0.90	-	108.00 Sqm	
	S Ranch L/s	1	450.00	0.90	-	405.00 Sqm	
	S Ranch R/s	1	250.00	0.90	-	225.00 Sqm	
	checked the				Total	1008.00	
	@ Rate of ~~100/Sqm~~ 100/-						100800.00/-
10)	Refixing Precast slab of drains and Pavers in CM 1:3 etc						
	Qty Vide item NO- 01					1008.00	
	@ Rate of 100/-						100800.00/-
11)	Cost of hauling excluding loading and unloading Mate 100/ chapter 1 Case-1 surface Road item No. 17-1 KSR 2013 M/100-1 loading and unloading of stone boulder/stone aggregate/Sand/Kankar/Murram						

Audited and admitted for Rs. 890038/-
Passed by Cheque for Rs. 795554/-
Serial No.
Name of work 94421.00
Name of Contractor or Nature of Agency
Date of commencement of work
Exe. Engineer

M.A.R. 57 (Rule 116)
Measurement Book
No. 5939
From
To

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Deliver of drain	Cum Qty Vide item No. 8				387.60	
	@ Rate of 90.00/-						34884.00/-
	Sub total						794674.00/-
	GST charge 10%						95361.00/-
	31/12/20 Total amount						890035.00/-
	Certificate						
	The work spot has been inspected and measurements found true						

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BMRCL
Bangalore-560073

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MEASUREMENT BOOK

Date	Particulars of description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	⇒ The estimate is Prepared as per the PW.P and IWTD SR - 2018-19						
	⇒ The Provision made in estimate are adequate and enough						
	⇒ This areas Comes under B.B.M.P limits						
	AE 31/10/20						
						31.10.20	

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

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